

Separate copies of this CHART printed on extra heavy paper can be obtained at 25 cents each.

# Jacobs' Combination Tuning Chart

for the Mandolin, Banjo and Guitar.

All persons infringing on this COPY-RIGHT in any manner whatsoever will be prosecuted according to LAW.

All the Notes (Chromatic Scale) on the Piano from the lowest open string on the Guitar to the highest open string on the Mandolin. G# Or Ab A# D# Or Eb C# Db Bb 4th strings. strings PIANO KEYBOARD. 1st strings 6th string. string. Guitar 4th string. Mandola 3rd strin 4th string. 5th string. 5th Snd S Banjo 1st st Mandolin Mandola Mandola Guitar Ist Mandola Mandolin Mandolin Guitar Guitar Guitar Banjo Banjo Banjo E A B C D E F G A B C D E G E The thirteen notes on this Piano staff represent :ALL the open strings on the Mandolin, Mandola, Banjo and Guitar. 2 3 6 4 5 9 10 11 12 13 2nd or A 3rd or D 1st or E 4th or G Strings Strings Strings Strings. 1st or E 4th or G 3rd or D 2nd or A Strings Strings. Strings Strings. 3rd or E 2ndor G# 1st or B 5th or E 4thor A String. String. String. String. String. 2nd or B 3rd or G String. 5th or A 1stor E 6thor E 4th or D String String. String. String.

By the Keyboard it will be found that the strings are numbered from the highest sounding to the lowest. The Banjo short E or 5<sup>th</sup> string is the exception.

Mandola and Guitar music sounds an octave lower than written; while Banjo music sounds a minor sixth lower.

The Piano staff under the Keyboard shows that

THE MANDOLIN THE MANDOLA G or 4th strings G or 4th strings D " 3rd D " 3rd are represented on the PIANO are represented on the PIANO A , 2nd 12 A " 2nd by the NOTE marked by the NOTE marked 10 E ,, 1st THE GUITAR THE BANJO

E or 6th string or 4th string " grd E A ,, 5th is represented on the PIANO 5 is represented on the PIANO G# " 2nd 8 " 4th by the NOTE marked 6 " 1st 9 by the NOTE marked G " 3rd B B " 2nd 8 E "5th E ,, 1st

By the perpendicular dotted lines it will be seen that the 4th string of the Mandolin, the 3rd string of the Banjo and the 3rd string of the Guitar have exactly the same pitch; that is, when in tune, they sound in unison.

Therefore, after the correct pitch is obtained from a Piano, a tuning fork or a pitch pipe for one of these strings (preferably the Mandolin), the other two strings should be tuned in unison with it; then proceed to tune each respective instrument independently of the others. However, when there is a large Club or Orchestra it is advisable for the Mandolins to tune to an already well tuned Mandolin first, then the Guitars should tune to the Mandolins and finally the Banjos to the Mandolins and Guitars.

Those who have difficulty in tuning can obtain a pitch pipe that sounds all the open strings of their respective instrument, whether Mandolin, Banjo or Guitar.

#### SIGNS USED TO MARK THE FINGERING.

Left Hand.		Right Ha	nd.
1st Finger 1		1st Finger	
2nd Finger 2	0, open.	2nd Finger	
3rd Finger 3	The string not pressed down.	3rd Finger	
4th Finger 4		Thumb	×

#### GENERAL RULES FOR FINGERING

The Right Hand. The 1st string is picked with the second finger, the 2nd string with the first finger, and the 3rd, 4th and 5th strings with the thumb. When two or more notes follow one another in scale or melodic form they can be played more rapidly and evenly by picking the 1st and 2nd strings with the second and first fingers alternately, and the 3rd and 4th strings with the thumb and first finger alternately. (See the fingering marked for the scale on page 4).

The third finger is used only in playing chords of four notes.

The fourth finger should rest lightly on the head of the Banjo near the bridge and first string to support and steady the hand.

When picking with the fingers use the tips; the motion should be downward and to the left. When picking with the thumb use the under edge of the end; the motion should be downward and to the right.

Avoid picking with the finger nails. Do not pull the strings upward, thereby causing them to strike against the fingerboard, which produces a short, "snappy" and disagreeable tone.

The Left Hand. The ends of the fingers of the left hand are used to press the strings down to the fingerboard. To obtain a satisfactory tone the fingers must be held down firmly during the full count of the notes being played. The fingers must be placed near the frets, not in the middle of the space between the frets, and never on the frets.

The first finger is used to stop the string at the 1st fret, the second finger at the 2nd fret, the third finger at the 3rd fret, the fourth finger at the 4th fret. This rule cannot always be applied, especially in fingering chords.

## General Information.

Sounds of definite pitch are called Tones.

Characters called Notes are used to represent these tones and are written on a Staff.

consists of five lines and the four intervening spaces.

The lines and names of the notes. The spaces and names of the notes. F

When higher or lower tones are desired than can be represented on the Staff, ledger or added lines and their intervening spaces are employed.

Above 1st line - 1st space Ledger or Added lines. 2nd line = 2nd space

The notes of the Scale derive their names from the first seven letters of the alphabet: A, B, C, D, E, F, G.

The Clef 6, 9 etc. is a sign placed at the beginning of the Staff to determine the names of the notes. There are several kinds used. The Treble or G Clef is the one used in writing music for the Banjo.

- A Sharp(#) placed before a note raises it a half tone (one fret).
- A Flat (b) placed before a note lowers it a half tone (one fret).
- A Natural(\$) restores a note that has been made sharp or flat to its original position.
- A Double Sharp (x or ##) raises a note a whole tone (two frets).

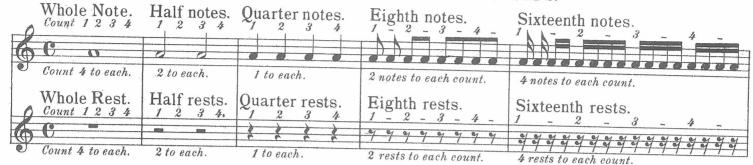
A Double Sharp (a of  $\pi \pi \pi)$  ranso a solution and the first second Third divided into Measures by Bars  $\frac{First}{First}$   $\frac{Second}{First}$   $\frac{Bar}{Second}$ Music is divided into Measures by Bars to mark the imaginary beats or counts,  $\begin{tabular}{l|lll} First & Second \\ \hline Bar & Bar \\ \hline First & Second \\ \hline Measure & Measure \\ \hline \end{tabular}$ 

Each full Measure contains a certain number of beats or counts, the number depending on the figures or sign placed close to the Staff. The figures  $\frac{4}{4}$  or  $\mathbb{C}$  (the latter sign being an abbreviation for "Common time") signifies that each measure contains four quarter notes or their equivalent; 3, three quarter notes or their equivalent;  $\frac{2}{4}$ , two quarter notes or their equivalent;  $\frac{3}{8}$ , three eighth notes or their equivalent, etc.

Characters called Rests are used to indicate silence.

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## RELATIVE VALUE OF NOTES AND RESTS.



A dot placed after a note or rest adds to its original value one half. Thus, a whole note with a dot  $\circ$  is equal to a whole and a half note combined,  $\circ$ ; a half note with a dot  $\circ$  to a half and a quarter note combined,  $\circ$ ; etc.

## THE SCALE IN A MAJOR-THREE SHARPS

								the state of the state of the state of	CLIL	TTTT	Ο.			
4tl	h Str	ing.	5	grd 0	String.	2nd	String.	. Ist	Strin <sub>2</sub>	g. 3	5th String	g.   1st	String	ş. 10
								-						
L.H. fingering. 0 Names of notes. A	1 ×	3	4 ×	0	2 ×	0	1	0	2	4	0 ×	1	3	4
Names of notes. A	b	C#	d	E	f#	G#	a	В	C#	d	E	f#	g#	a

+) This E is generally played on the open 5th string, but when marked with the left hand fingering, it is made on the 1st string, 5th fret, See Diagram of the Fingerboard on page 2.

In the following exercises the pupil should name the notes as they are played and should be very careful to use only the fingering as marked for both hands. Conscientious study of these exercises is of the greatest importance, and in fact, satisfactory progress cannot be made without knowing them perfectly.

Important. All the Exercises and Pieces contained in the five Books of these Studies, not marked "For Private Study only," can be played in combination with those published in the Mandolin and Guitar Books.

Some Exercises and Pieces do not adapt themselves to all instruments, therefore the "Private Studies" on the last two pages of each of the Books.





Nos 2, 3 & 5 of the above exercises should be practiced with both the left hand fingerings marked.

A light Double Bar | indicates the end of the strain. A light and heavy Bar | indicates the end of the piece.

The Repeat indicates that the strain or part enclosed is to be repeated.

Book 1.

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## CHORDS AND EXERCISES IN A MAJOR.



To the Teacher. When using this book for private teaching it is advisable to continue with pages 8 and 9 before beginning the following page as the studies are easier and graded.

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 $^{+}$  "1-2-3-" is an abbreviation for "1 and 2 and 3 and," the dash (-) standing for "and."

The sign D.C. (Da Capo) al Fine indicates that the music is to be played over again from the beginning to the word Fine (end).

For the meaning of p and f see page 7.

Book 1.



A. J. WEIDT.



p means soft, pp very soft; f loud, ff very loud, mf mediumly loud.

cresc. (crescendo) or \_\_\_\_ means to increase the tone by degrees.

dim. (diminuendo) or \_\_\_\_ means to decrease the tone by degrees.

An accidental sharp or flat is one placed in some measure, not one that appears in the signature. This accidental sharp or flat affects only the note or notes of the measure in which it is found. However, many of the best composers always use the Natural(4) to counteract the accidental should the note affected occur in the following measure. See  $2^d$  strain, eighth and ninth measures of the above Waltz.

1.(ist ending.)
2.(2d ending.)

This sign is placed at the end of a strain that it is desired to repeat in part but with a different ending the second time through. In the above Waltz the 2d strain is played as usual\_to the dotted double bar, which includes the 1st ending; but on repeating, the 2d ending must be substituted for the 1st ending, the latter being omitted alto gether.

Book 1.

For Private Study only.

## The Yodler.



Book 1.

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For Private Study only.

## EXERCISES ON TIME.

Arranged in Duett form for Pupil and Teacher.



BANJO MUSIC Degrees of difficulty are marked thus:
A, Easy. B, Medium. C, Difficult.
When the price of the Banjo Solo is the same as the Banjo Accompaniment the two parts are printed together, and therefore cannot be obtained Any Mandolin Orchestra part can be had for pieces marked thus \* \*Always Happy. Schottische ...... T. A. Simpson A .30 .15 .10 .20 \*American Students. March and Two-Step......Geo. L. Lansing B .40 .15 .10 .20 \*Antar. Intermezzo Oriental. (Dreyfus)......Arr. Walter Jacobs B .40 .15 .10 .20 \*Assembly, The. March and Two-Step......Paul Eno A .40.15.10.20 \*Bedouin, The. An Oriental Patrol. (Kendall)... Arr. Walter Jacobs B .40.15.10.20 \*Beggar's Dance. Polka Two-Step ...... A. J. Weidt A .40.15 .10 .20 \*Behind the Hounds. March and Two-Step. (Allen)... Walter Jacobs A .40 .15 .10 .20 \*Black Cupid, The. Schottische ...... A. J. Weidt A .40 .15 .10 .20 \*Bostonian, The. March and Two-Step....... W. D. Kenneth A .40 .40 .10 .20 \*Boston Yodle, The. Dance à la Fandango . . . . . . A. J. Weidt A .40 .40 .10 .20 Cavalleria Rusticana. Intermezzo. (Mascagni)...Arr. Walter Jacobs C .30 ..... \*Chicken Pickin's. Dance Descriptive. (Allen)....Arr. Walter Jacobs B .40 .15 .10 .20 \*Confetti. Carnival Polka. (Alden).....Arr. Walter Jacobs B .40 .15 .10 .20 \*Cupid's Glance. Waltzes..... Paul Eno B .50 .25 .20 .35 \*Cupids on Parade. March and Two-Step...... Geo. L. Lansing A .40 .15 .10 .20 \*Dance of the Pebbles. Polka Unique. (Saunders) Arr. Walter Jacobs B .40 .40 .10 .20 \*Dance of the Skeletons. Descriptive. (Allen)....Arr. Walter Jacobs B .40 .15 .10 .20 \*Dancing Goddess, The. Caprice. (Hildreth)....Arr. Walter Jacobs B .40 .15 .10 .20 \*Darkies' Hoedown..... Walter Jacobs A .30 .15 .10 .20 \*Dickey Dance, The. Caprice Humoresque ....... Geo. L. Lansing B .40 .15 .10 .20 \*Dinah's Soiree. Cake Walk......Geo. L. Lansing A .40 .15 .10 .20 \*Down the Pike. March and Two-Step . . . . . . A. J. Weidt B .40 .15 .10 .20 \*El Amante. A Mexican Scene. (Allen)...........Arr. Walter Jacobs A .40 .15 .10 .20 \*Elephant Promenade. A Toe Tickler. (Saunders) Arr. Walter Jacobs A .40 .10 .15 .20 \*Fanchette. Tambourine Dance. (Hildreth).....Arr. Walter Jacobs B .40 .15 .10 .20 \*Flower Waltz..... Walter Jacobs A .40 .40 .10 .20 \*Frost King, The. March and Two-Step....... W. D. Kenneth A .40 .15 .10 .20 \*Golden Dome, The. March and Two-Step....... Walter Jacobs C .50 .50 .10 .20 Granite City Quickstep ...... W. D. Kenneth B .40 40 .... \*Guardsman, The. Novelty Two-Step. (Allen) ... Arr. Walter Jacobs B .40 .15 .10 .20 \*Guest of Honor, The. March and Two-Step.... Edwin F. Kendall B .40 .15 .10 .20 \*Happy Hayseed, The. Characteristic March. (Rolfe).. Walter Jacobs B .40 .15 .10 .20 \*Happy Jap, The. Geisha Dance. (O'Connor)...Arr. Walter Jacobs B .40 .15 .10 .20 \*Heart So True. Mazurka de Concert .......Walter Jacobs C .40 ... .20 .35 Flome, Sweet Home and Spanish Fandango ..... Arr. Walter Jacobs A .30 ..... \*Horse Marines, The. March and Two-Step. (Allen)... Walter Jacobs B .40 .15 .10 .20 \*"Howdy" Darkies! Rag-time...... Walter Jacobs B .40 .15 .10 .20 \*Idolizers, The. March and Two-Step. (Corey)....Arr. A. J. Weidt B .40 .15 .10 .20 \*In a Rose Garden. Polka Redowa. (Allen)......Arr. Walter Jacobs B .40 .15 .10 .20 \*In High Society. March and Two-Step. (Holst).. Arr. Walter Jacobs C .50 .50 .50 .20 \*Jack in the Box. Character Dance. (Allen) ...... Arr. Walter Jacobs B .40 .15 .10 .20 \*Jasper's Symphony....... Geo. L. Lansing B .40 .10 .15 .20 Jolly Lark, The. Schottische. (Stacy).....Arr. Chas. B. De Lano A .40 .40 ... \*Jolly New Yorker, The. March and Two-Step......A. J. Weidt A .40 .15 .10 .20 \*June Bride, The. Waltzes. (Allen)......Arr. Walter Jacobs C .50 .25 .20 .35 \*Koonville Koonlets. Cake Walk and Two-Step.....A. J. Weidt B .40 .40 .10 .20 \*Little Sparkers. Danse Brillante.......Geo. L. Lansing A .40 .40 .10 .20 \*Magician, The. Gavotte. (Farrand).....Arr. A. J. Weidt B .40 .15 .10 .20 \*Manana. Chilian Dance. (Missud).......Arr. Walter Jacobs B .40 .10 .15 .20 March ob de Ole Band ...... Walter Jacobs A .40 .40 .... \*Marconigram, The. March and Two-Step. (Allen) Arr. Walter Jacobs B .40 .10 .15 .20 \*Mazetta. A Gypsy Idyl. (Allen)......Arr. Walter Jacobs B .40 .15 .10 .20 \*Merry Days. Waltzes..... W. D. Kenneth B .50 .25 .20 .35 \*Merry Monarch, The. March and Two-Step (Hildreth) Walter Jacobs B .40 .15 .10 .20 
 Minor Jig
 W. D. Kenneth A .30
 ...

 Minstrel Echoes
 W. D. Kenneth B .60 .60 .20
 ...
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\*Myra Waltz. Geo. W. Bemis A .40 .40 .10 .20

Narragansett Commandery March. W. D. Kenneth C .40 .40 ...

\*New Harp Schottische. R. S. Saunders A .30 .15 .10 .20

\*New Life. Gavotte. A. J. Weidt B .40 .15 .10 .20 

Any Mandolin Orchestra part can be had for pieces marked thus *	Grade,	B. Solo B. Acc. G. Acc.	, P.C.
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*Pavana. Entr' Acte. (Allen)	B B	.40 .15 .10 .2	10
Pixies, The. Dance Characteristic. (Farrand)Arr. Walter Jacobs Pizzicati. From "Sylvia." (Delibes)Arr. Edward A. Grout Pride of the Prairie. March and Two-Step. (Rolfe) Arr. Walter Jacobs	A B	.40 .15 .10 .2	0.0
*Prince Charming. Waltz. (Duffell)	AB	.40 .40 .10 .2	20
*Rollicking Rube	A C	.40 .40 .10 .2	0
Sky High. Galop	A A	.40 .40 .10 .2	20
*Spanish Dance. No.1. (Moszkowski) Arr. Walter Jacobs *Spanish Silhouettes. Waltz. (Pomeroy) Arr. Walter Jacobs *Speedway, The. Galop A. J. Weidt	C A	.50 .25 .20 .3	35
*Story-Teller Waltzes, The. (Farrand)Arr. Walter Jacobs Topy's Recreation. A DanceW. D. Kenneth *Under the Double Eagle. March. (Wagner)Arr. Walter Jacobs	C B	.50 .25 .20 .3	35
*Under Palm and Pine. March and Two-Step W. D. Kenneth *Vagabond Vampers. Humoresque. (Pomeroy)Arr. Walter Jacobs *Veritas. March and Two-Step. (Densmore)Arr. Geo. L. Lansing	B B	.40 .15 .10 .2	20
Warner Waltz D. C. Everest *Watch Hill. March and Two-Step W. D. Kenneth	A A	.40 .40	
*What Will the Answer Be? Waltz Song. (Rich)Arr. Walter Jacobs *Whip and Spur. Galop. (Allen)Arr. Walter Jacobs *White Crow, The. March OddityPaul Eno	B B	.40 .15 .10 .2	20
*Wild Flowers. Schottische	A	.40 .40 .10 .2	0.5
*Youthful Pleasures. Schottische. (Plante)Arr. Walter Jacobs *Zophiel. Intermezzo. (Hildreth)Arr. Walter Jacobs *Zulu Moon Dance. A Midnight DiversionH. F. Odell	B	.40 .40 .10 .2	20

### JACOBS' EASY MANDOLIN AND BANIO ORCHESTRA FOLIO

Seventeen Original Compositions and Arrangements

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First Mandolin or 1st Violin Book. Second Mandolin or 2d Violin Book Third Mandolin Book Mandola (octave tuning) Book Solo Banjo Book	.50 .50	Banjo Accompaniment Book Guitar Accompaniment Book Piano Accompaniment Book Flute Obligato Book 'Cello Obligato Book	.50 .50
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N. B.—In Folio No. 1 both the 1st and 2d Banjo parts are in one book.

The 3d Mandolin and Mandola parts are in one book in all the numbers, but the arrangements for the two instruments are different.

### Contents to No. 1

Darkies' Hoedown Walter Jacobs
Flower WaltzWALTER JACOBS
Golden Dome, The
Heart So TrueWalter Jacobs Mazurka de Concert.
"Howdy" Darkies! Rag-time WALTER JACOBS
In High Society. (Holst)Arr. Walter Jacobs March and Two-Step.
La Veta Schottische
Little Sunbeam Waltz
Montclair Galop
Myra Waltz Geo. W. Bemis
New Harp Schottische R. S. SAUNDERS
Over the Waves. (Rosas) Arr. Walter Jacobs Waltzes.
Prince Charming. Waltz

Spanish Dance. No. 1. (Moszkowski)

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Youthful Pleasures. Schottische...A. H. PLANTE

*'A Frangesa March. (Costa) Arr. Walter Jacobs
*Among the Flowers. Caprice PAUL ENO
*Behind the Hounds. (ALLEN) Arr. WALTER JACOBS March and Two-Step.
*Confetti, Carnival Polka. (ALDEN) WALTER JACOBS
*Cupids on Parade GEO. L. LANSING March and Two-Step.
*Dance of the Cleatetons (Assess) III

Descriptive.

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\*Guardsman, The. (Allen)..Arr. Walter Jacobs
Novelty Two-Step.

\*Happy Jap, The. (O'Connor) Arr. Walter Jacobs
Geisha Dance.

#### Contents to No. 2

	Always Happy. SchottischeT. A. SIMPSON
Ì	Beggar's Dance. Polka Two-StepA. J. WRIDT
	Black Cupid, The. SchottischeA. J. WEIDT
	*Chicken Pickin's. (ALLEN) Art. WALTER JACOBS
	Dance Descriptive.
1	*Down the Dilre Moust and Ton Garage

\*Pixies, The. Dance Characteristic. VAN L. FARRAND \*Story-Teller Waltzes, The.....Van L. Farrand What Will the Answer Be? (Rich) Walter Jacobs Waltz Song.

Wild Flowers. Schottische.....A. J. WEIDT

\*Jack in the Box. (Allen) ... Arr. Walter Jacobs \*June Bride, The. (Allen) ... Arr. Walter Jacobs

Waltes.

\*Mazetta. (ALLEN)...Arr. WALTER JACOBS
A Gypsy Idyl.

\*Pavana. Entr' Acte. (ALLEN) Arr. WALTER JACOBS
\*Spanish Silhouettes. Waltz......C. E. Pomerov
Speedway, The. Galop........A. J. Weidt

\*Under Palm and Pine. (Kenneth) Walter Jacobs March and Two-Step. \*azoo Buck. (Godfrey) ... Arr. R. E. Hildreth

Wing Dance NOTE. — As all the pieces in these Folios are published in sheet music form also, ole extra parts for any of the ten instruments can be obtained. Clarinet, Cornet,

single extra parts for any of the ten instruments can be obtained. Clarinet, Co Bass and all other regular Orchestra parts can be had for pieces marked thus: \* These Folios are STANDARD. Thousands have been sold.